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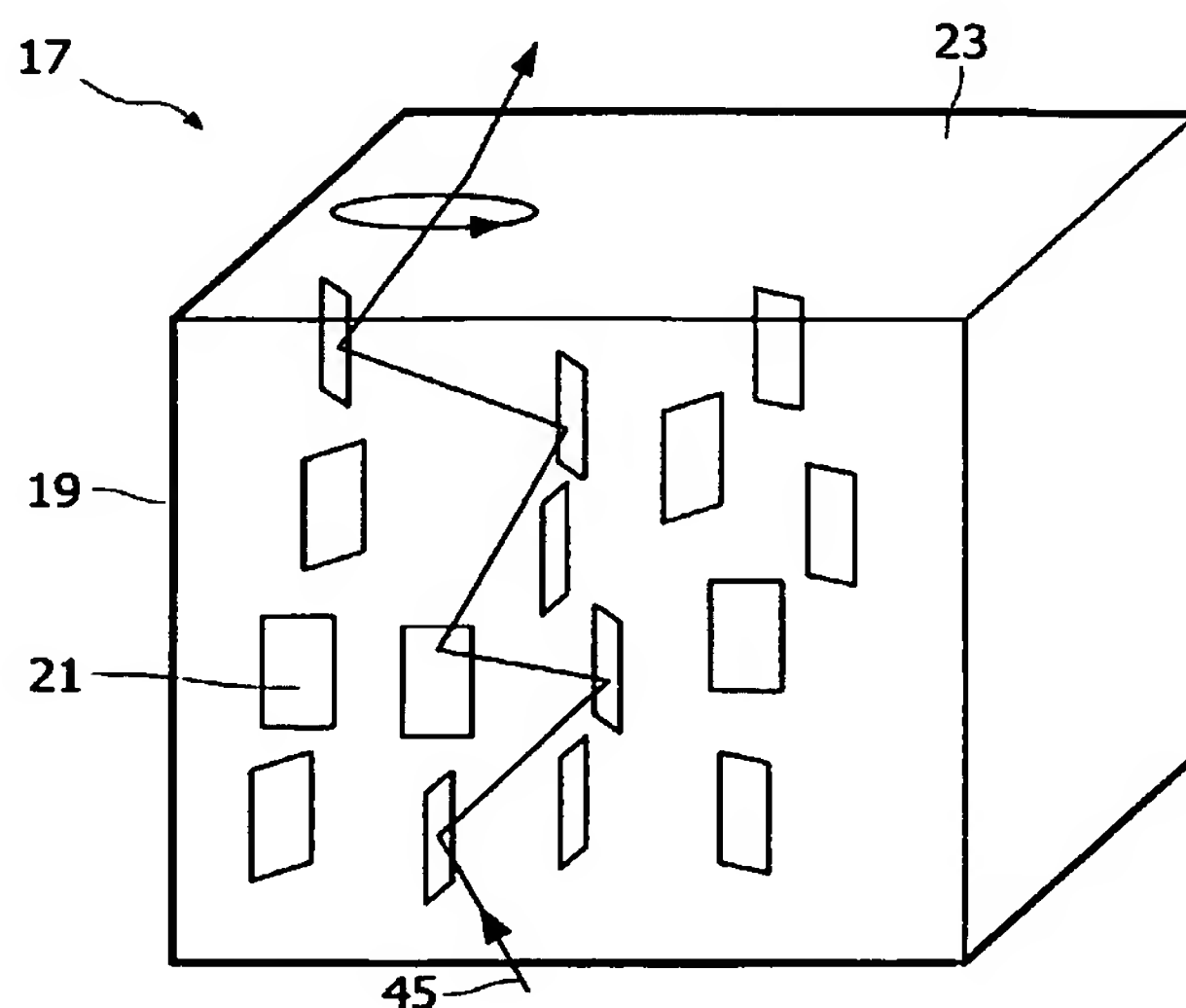
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(54) Title: OPTICAL INTEGRATOR



(57) Abstract: A method of manufacturing an optical integrator panel is provided. The method comprises the steps of: suspending a plurality of elongate particles in a liquid; applying an electric or magnetic field to the suspension to orientate the particles with parallel longitudinal axes; and solidifying the liquid to fix the orientation of the particles, thereby forming an optical integrator panel having a homogeneous distribution of elongate particles. An optical integrator panel is also provided. The optical integrator panel is adapted to reduce the angular dependence of contrast of a liquid crystal display. Specifically, the optical integrator panel is for placement in the path of reflected or transmitted light emitted by the liquid crystal display. The optical integrator panel comprises: a solid transparent panel; and a plurality of elongate particles homogeneously distributed in the panel, wherein the plurality of elongate particles are orientated with parallel longitudinal axes.

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